

[LAYOUT OF WIRELESS COMMUNICATION CIRCUIT ON A PRINTED CIRCUIT BOARD]

Abstract of Disclosure

A layout of a wireless communication circuit on a printed circuit board (PCB), which is a rectangular board wherein a first side is a Y-axis and a second side is an X-axis. The layout has a first antenna located at a corner between the first side and the second side. An antenna switch and a first filter are located at middle y-coordinate and a X-coordinate. A RF integrated circuit (RFIC) is located after the first filter. A first regulator is located near the second side and higher than the RFIC. A media access control (MAC) is located at about a middle y-coordinate and higher than the first regulator. An oscillator is located at a corner between the second side and the third side. A second regulator is located near the fourth side and above the first regulator. A power amplifier is located near the fourth side above the RFIC. A second filter and a transmitting/receiving (T/R) switch are located before the power amplifier. A second antenna is located at a corner between the first side and the fourth side.

Figures